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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,489	12/27/2001	Harold Pahick	679.0039USU	8426

7590 02/27/2002

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Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
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Stamford, CT 06901-2682

EXAMINER

KIM, JENNIFER M

ART UNIT

PAPER NUMBER

1617

DATE MAILED: 02/27/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

\* Restart due to the action had  
the wrong cover letter. 3-8-02

B. Gray  
3-8-02

UNITED STATES DEPARTMENT OF COMMERCE  
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Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/629,596	7/31/00		

EXAMINER	
P. Ponnaluri	
ART UNIT	PAPER NUMBER
1627	12

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application

Commissioner of Patents

The communication filed on **1/8/02** is not fully responsive to the communication mailed **9/24/01** for the reason(s) set forth on the attached Notice to Comply With the Sequence Rules or CRF Diskette Problem Report.

If a complete response has not been submitted by the time the shortened statutory period for response set in the communication mailed [mail date] has expired, this application will become abandoned unless applicant corrects the deficiency and obtains an extension of time under 37 C.F.R. 1.136. In no case may an applicant extend the period for response beyond the six month statutory period.

Any inquiry concerning this communication should be directed to Examiner **Ponnaluri**, Art Unit **1627**, whose telephone number is **703-305-3884**.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

P. Ponnaluri  
25 February 2002

  
**PADMASHRI PONNALURI**  
**PRIMARY EXAMINER**

Application No.: 09/629,593

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: ***see the attached Raw Sequence listing errors.***

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support (SIRA)

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

RECEIVED

FEB 13 2002

TECH CENTER 1600/2900

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/629,596B</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. <i>Do not combine response</i>	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



1627

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/629,596B

DATE: 02/05/2002  
 TIME: 14:45:42

Input Set : A:\UGR-100X.txt  
 Output Set: N:\CRF3\02052002\I629596B.raw

*pg 1-2*  
**Does Not Comply**  
**Corrected Diskette Needed**

3 <110> APPLICANT: Adang, Michael  
 4 Kasman, Laura  
 6 <120> TITLE OF INVENTION: Phage Display of a Biologically Active Bacillus  
 thurinigenis Toxin

8 <130> FILE REFERENCE: UGR-100X  
 10 <140> CURRENT APPLICATION NUMBER: 09/629,596B  
 11 <141> CURRENT FILING DATE: 2000-07-31  
 13 <150> PRIOR APPLICATION NUMBER: US 60/146,646  
 14 <151> PRIOR FILING DATE: 1999-07-30  
 16 <160> NUMBER OF SEQ ID NOS: 6  
 18 <170> SOFTWARE: PatentIn version 3.0  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 50  
 22 <212> TYPE: DNA

C--> 23 <213> ORGANISM: Artificial/Unknown

*invalid - see item 10 on Error Summary  
 sheet*

25 <220> FEATURE:  
 26 <221> NAME/KEY: misc\_feature  
 27 <222> LOCATION: ()..()  
 28 <223> OTHER INFORMATION: primer  
 31 <400> SEQUENCE: 1  
 32 gtgagtgtgtg ggcgcgacggg gccgctggaa tggacaacaa tcccaacatc  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 54  
 37 <212> TYPE: DNA

50

C--> 38 <213> ORGANISM: Artificial/Unknown

40 <220> FEATURE:  
 41 <221> NAME/KEY: misc\_feature  
 42 <222> LOCATION: ()..()  
 43 <223> OTHER INFORMATION: primer  
 46 <400> SEQUENCE: 2  
 47 tgagtgtgtc ggccccagag gccctgcagc tccctcgagc gttgcagtaa cggg  
 50 <210> SEQ ID NO: 3  
 51 <211> LENGTH: 20  
 52 <212> TYPE: DNA

54

C--> 53 <213> ORGANISM: Artificial/Unknown

55 <220> FEATURE:  
 56 <221> NAME/KEY: misc\_feature  
 57 <222> LOCATION: ()..()  
 58 <223> OTHER INFORMATION: primer  
 61 <400> SEQUENCE: 3  
 62 gagcctcgaa aggtaccgtc  
 65 <210> SEQ ID NO: 4  
 66 <211> LENGTH: 20  
 67 <212> TYPE: DNA

20

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/629,596B

DATE: 02/05/2002  
 TIME: 14:45:42

Input Set : A:\UGR-100X.txt  
 Output Set: N:\CRF3\02052002\I629596B.raw

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      70 <220> FEATURE:
      71 <221> NAME/KEY: misc_feature
      72 <222> LOCATION: ()..()
      73 <223> OTHER INFORMATION: primer
      76 <400> SEQUENCE: 4
      77 gacggtacct ttcgaggctc                                20
      80 <210> SEQ ID NO: 5
      81 <211> LENGTH: 90
      82 <212> TYPE: DNA
C--> 83 <213> ORGANISM: Artificial/Unknown
      85 <220> FEATURE:
      86 <221> NAME/KEY: misc_feature
      87 <222> LOCATION: ()..()
      88 <223> OTHER INFORMATION: primer
      91 <400> SEQUENCE: 5
      92 ctgctcgcc catatgcggc cgcaggtctc ctctcttag cagcacaacc agcaatggcc    60
      94 atggataaca atccgaacat caatgaatgc                                90
      97 <210> SEQ ID NO: 6
      98 <211> LENGTH: 50
      99 <212> TYPE: DNA
C--> 100 <213> ORGANISM: Artificial/Unknown
      102 <220> FEATURE:
      103 <221> NAME/KEY: misc_feature
      104 <222> LOCATION: ()..()
      105 <223> OTHER INFORMATION: primer
      108 <400> SEQUENCE: 6
      109 atccgataaa tagctagcta aattggacac ttgatcaata tgataatccg          50
  
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## VERIFICATION SUMMARY

DATE: 02/05/2002

PATENT APPLICATION: US/09/629,596B

TIME: 14:45:43

Input Set : A:\UGR-100X.txt

Output Set: N:\CRF3\02052002\I629596B.raw

L:23 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:38 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:53 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:68 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:83 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:100 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6